

Title (en)
SURGICAL OPERATION APPARATUS

Title (de)
CHIRURGISCHE BEFESTIGUNGSVORRICHTUNG

Title (fr)
APPAREIL D'OPÉRATION CHIRURGICALE

Publication
EP 3199116 A1 20170802 (EN)

Application
EP 15854938 A 20150828

Priority
• JP 2014219630 A 20141028
• JP 2015074472 W 20150828

Abstract (en)
A surgical treatment apparatus includes a treatment portion unit; at least one operation portion provided in the treatment portion unit that is movable in response to an operation of an operator; a detection subject portion provided in the operation portion; a gripping portion that is detachable and attachable relative to the treatment portion unit; a non-contact type detection portion that is provided in the gripping portion separately from the operation portion and is capable of detecting an operation of the detection subject portion in accordance with the operation of the operation portion; an energy supply portion provided within the gripping portion, that supplies energy to the treatment portion; and a driving device connected to the gripping portion, that supplies energy to the energy supply portion in accordance with a detection result of the detection portion.

IPC 8 full level
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Designated extension state (EPC)
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EP 15854938 A 20150828; CN 201580059293 A 20150828; JP 2015074472 W 20150828; JP 2016535080 A 20150828; US 201715495306 A 20170424